

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 August 2002 (22.08.2002)

PCT

(10) International Publication Number  
**WO 02/064789 A1**

(51) International Patent Classification<sup>7</sup>: **C12N 15/12, C07K 14/705, G01N 33/68**

(21) International Application Number: **PCT/US01/04641**

(22) International Filing Date: 14 February 2001 (14.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **PHARMACIA & UPJOHN COMPANY [US/US];** 301 Henrietta Street, Kalamazoo, MI 49001 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIND, Peter [SE/SE];** Borjegatan 31C, S-751 29 Uppsala (SE). **PARODI, Luis, A. [SE/SE];** Grevgafan 24, S-115 43 Stockholm (SE). **VOGELI, Gabriel [US/US];** 3005 First Avenue, Seattle, WA 98121 (US). **WOOD, Linda, S. [US/US];** 10193 Fox Hollow, Portage, MI 49024 (US).

(74) Agents: **DELUCA, Mark et al.;** Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **PROTEIN-COUPLED RECEPTOR**

(57) Abstract: The present application provides a gene encoding a G protein-coupled receptor termed nGPCR-14; constructs and recombinant host cells incorporating the genes; the nGPCR-14 polypeptides encoded by the gene; antibodies to the nGPCR-x polypeptides; and methods of making and using all of the foregoing.

**WO 02/064789 A1**